

Reg. U.S. PTO

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10/516823

Docket No.: OMY-0041  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Akira Kawahara et al.

Application No.: 10/516,823

Confirmation No.: 7306

Filed: December 7, 2004

Art Unit: N/A

For: DETECTION KIT, MEASUREMENT PLATE  
THEREFOR, DETECTION METHOD,  
EVALUATION METHOD, POLYCLONAL  
ANTIBODY TO FROG VITELLOGENIN  
AND MANUFACTURING METHOD  
THEREOF

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Submitted herewith on Form PTO-1449 or PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR 1.56. Applicant respectfully requests that the listed documents be considered by the Examiner and formally be made of record in the present application and that an initialed copy of Form PTO-1449 or PTO/SB/08 be returned in accordance with MPEP §609.

- ☒ A copy of each listed document is being submitted to comply with the provisions of 37 CFR §§1.97 and 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* prior art reference against the claims of the present application.

**Concise Explanation of Relevancy of the Document**

- ☒ Any document having neither English translation nor English abstract has been cited in a communication from a foreign patent office in a counterpart foreign application or international application, or its related application. A copy of the communication is attached hereto, accompanied by English translation of at least relevant part, if it is not in English. English translation of the document is not readily available; however, the absence of such translations does not relieve the PTO from its duty to consider the submitted document (37 C.F.R. §1.98 and MPEP §609).

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits in the present application. **No fee is required** (37 C.F.R. §1.97(b)). The Patent Office is **NOT AUTHORIZED** to charge deposit account 18-0013 under 37 CFR §§ 1.97(c)(2) and 1.17(p). However, **ONLY IF** a first Office Action on the merits was mailed before filing of this Information Disclosure Statement, please charge deposit account 18-0013 in the amount of \$180.00 for payment of the fee under 37 CFR §§ 1.97(c)(2) and 1.17(p).

Dated: June 1, 2005

Respectfully submitted,

By 

Lee Cheng

Registration No.: 40,949

RADER, FISHMAN & GRAUER PLLC

1233 20th Street, N.W., Suite 501

Washington, DC 20036

(202) 955-3750

Attorney for Applicant

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/516,823-Conf. #7306
				Filing Date	December 7, 2004
				First Named Inventor	Akira Kawahara
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	OMY-0041

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	JP-2000-125867-A	05-09-2000	Kumamoto Kotai Kenkyusho KK		
	BB	JP-2001-122899-A	05-08-2001	Sumitomo Chem. Co., Ltd.		
	BC	JP-2001-218582-A	08-14-2001	Kumamotoken Kigyoka Shien Center		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	PALMER et al., "VITELLOGENIN AS A BIOMARKER FOR XENOBIOTIC ESTROGENS IN AN AMPHIBIAN MODEL SYSTEM", Environmental Toxicology and Chemistry, Vol.17, No.1, (1998), Page 30 to 36	
	CB	KAWAHARA et al., "A Change of the Hepatocyte Population Is Responsible for the Progressive Increase of Vitellogenin Synthetic Capacity at and after Metamorphosis of <i>Xenopus laevis</i> ", Developmental Biology, Vol.122, (1987), pages 139 to 145	
	CC	International Search Report mailed on July 22, 2003	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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